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SEQUENCE LISTING

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<120> MAMMALIAN CYTOKINES; RECEPTORS; RELATED REAGENTS AND METHODS <130> dx01341 <140> 10/008566 2001-11-08 <141> <150> US 60/298268 <151> 2001-06-14 <150> US 60/247218 <151> 2000-11-10 <160> <170> PatentIn version 3.1 <210> 1658 <211> <212> DNA <213> Homo sapiens <220> <221> CDS <222> (23)..(1399) <223> <400> 1 ctctctctct atctctctca ga atg aca att cta ggt aca act ttt ggc atg Met Thr Ile Leu Gly Thr Thr Phe Gly Met gtt ttt tct tta ctt caa gtc gtt tct gga gaa agt ggc tat gct caa 100 Val Phe Ser Leu Leu Gln Val Val Ser Gly Glu Ser Gly Tyr Ala Gln aat gga gac ttg gaa gat gca gaa ctg gat gac tac tca ttc tca tgc 148 Asn Gly Asp Leu Glu Asp Ala Glu Leu Asp Asp Tyr Ser Phe Ser Cys tat agc cag ttg gaa gtg aat gga tcg cag cat tca ctg acc tgt gct 196 Tyr Ser Gln Leu Glu Val Asn Gly Ser Gln His Ser Leu Thr Cys Ala

ttt gag gac cca gat gtc aac acc act ctg gaa ttt gaa ata tgt 244 Phe Glu Asp Pro Asp Val Asn Thr Thr Asn Leu Glu Phe Glu Ile Cys ggg gcc ctc gtg gag gta aag tgc ctg aat ttc agg aaa cta caa gag 292 Gly Ala Leu Val Glu Val Lys Cys Leu Asn Phe Arg Lys Leu Gln Glu

					•	,					
			•								
•	•		•		•						
			gag ac Glu Th								340
			g gtt gg s Val Gl						s Ile		388
			a gtt aad e Val Lyd	s Pro G							436
	tat cgg Tyr Arg 140	Glu Gly	gcc aat Ala Asi	gac t n Asp P 145	tt gtg he Val	gtg ac Val Th	ra ttt r Phe 150	aat ac Asn Th	a tca r Ser	cac His	484
			tat gta Tyr Val 160	l Lys V			s Asp				532
			gaa aad Glu Asi 175								580
			ctg cag Leu Gli						t Tyr		628
			tcc ato Ser Ile	Pro A							676
		Ser Pro	agt tat Ser Tyr								724
			gat cct Asp Pro	lle L			e Ser				772
			ctg ttg Leu Lev 255								820
			atc gta lle Val						s Lys		868
			tgt aag Cys Lys	Lys P							916
		Glu Ser	ttc cto								964
			gaa gtg Glu Val	Glu G			n Asp				1012

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		_	_	_							caa Gln				_	1300
											ctt Leu					1348
											agc Ser					1396
cag Gln	tgaa	ıgtgt	aa g	jaaac	ccag	ja ct	gaad	ttac	: cgt	gago	gac	aaag	jatga	itt		1449
taaa	aggg	jaa g	ıtcta	ıgagt	t co	tagt	ctcc	cto	acag	gcac	agag	jaaga	ıca a	aatt	agcaa	1509
aaco	ccac	ta c	acag	tctg	c aa	gatt	ctga	aac	attg	ctt	tgac	cact	ct t	cctg	agttc	1569
agt	gcac	tc a	acat	gagt	c aa	gago	atco	tgc	ttct	acc	atgt	ggat	tt g	gtca	caagg	1629
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Asn Gly Ser Gln His Ser Leu Thr Cys Ala Phe Glu Asp Pro Asp Val

35

Asn Thr Thr Asn Leu Glu Phe Glu Ile Cys Gly Ala Leu Val Glu Val Lys Cys Leu Asn Phe Arg Lys Leu Gln Glu Ile Tyr Phe Ile Glu Thr Lys Lys Phe Leu Leu Ile Gly Lys Ser Asn Ile Cys Val Lys Val Gly 100 105 Glu Lys Ser Leu Thr Cys Lys Lys Ile Asp Leu Thr Thr Ile Val Lys 120 115 125 Pro Glu Ala Pro Phe Asp Leu Ser Val Ile Tyr Arg Glu Gly Ala Asn 130 135 Asp Phe Val Val Thr Phe Asn Thr Ser His Leu Gln Lys Lys Tyr Val 145 150 155 Lys Val Leu Met His Asp Val Ala Tyr Arg Gln Glu Lys Asp Glu Asn 165 Lys Trp Thr His Val Asn Leu Ser Ser Thr Lys Leu Thr Leu Leu Gln 180 185 Arg Lys Leu Gln Pro Ala Ala Met Tyr Glu Ile Lys Val Arg Ser Ile Pro Asp His Tyr Phe Lys Gly Phe Trp Ser Glu Trp Ser Pro Ser Tyr 215 Tyr Phe Arg Thr Pro Glu Ile Asn Asn Ser Ser Gly Glu Met Asp Pro 225 230 235 Ile Leu Leu Thr Ile Ser Ile Leu Ser Phe Phe Ser Val Ala Leu Leu 245 250 Val Ile Leu Ala Cys Val Leu Trp Lys Lys Arg Ile Lys Pro Ile Val 265 Trp Pro Ser Leu Pro Asp His Lys Lys Thr Leu Glu His Leu Cys Lys 280

Lys Pro Arg Lys Asn Leu Asn Val Ser Phe Asn Pro Glu Ser Phe Leu 290 295 300

Asp Cys Gln Ile His Arg Val Asp Asp Ile Gln Ala Arg Asp Glu Val 305 310 315 320

Glu Gly Phe Leu Gln Asp Thr Phe Pro Gln Gln Leu Glu Glu Ser Glu 325 330 335

Lys Gln Arg Leu Gly Gly Asp Val Gln Ser Pro Asn Cys Pro Ser Glu 340 345 350

Asp Val Val Thr Pro Glu Ser Phe Gly Arg Asp Ser Ser Leu Thr 355 360 365

Cys Leu Ala Gly Asn Val Ser Ala Cys Asp Ala Pro Ile Leu Ser Ser 370 380

Ser Arg Ser Leu Asp Cys Arg Glu Ser Gly Lys Asn Gly Pro His Val 385 390 395 400

Tyr Gln Asp Leu Leu Ser Leu Gly Thr Thr Asn Ser Thr Leu Pro 405 410 415

Pro Pro Phe Ser Leu Gln Ser Gly Ile Leu Thr Leu Asn Pro Val Ala 420 425 430

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<212> DNA

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<221> CDS

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											Gly 999					867
											cac His					915
											gta Val					963
											cca Pro					1011
											cac His 345					1059
											ttt Phe					1107
				gcg Ala 370		tgat	ggac	ac a	ccac	tgto	a aa	.gtca	acgt	:		1155
cagg	atco	ac g	ıttga	catt	t aa	agac	agag	999	actg	tcc	cggg	gact	.cc a	cacc	accat	1215
ggat	ggga	ag t	ctcc	acgo	c aa	tgat	ggta	gga	ctag	gag	acto	tgaa	ga c	ccag	cctca	1275
ccgc	ctaa	tg c	ggcc	actg	c cc	tgct	aact	ttc	cccc	aca	tgag	tctc	tg t	gtto	aaagg	1335
cttg	atgg	ca g	atgg	gago	c aa	ttgc	tcca	gga	gatt	tac	tccc	agtt	cc t	tttc	gtgcc	1395
tgaa	cgtt	gt d	acat	aaac	c cc	aagg	cago	acg	tcca	aaa	tgct	gtaa	aa c	cato	ttccc	1455
actc	tgtg	ag t	cccc	agtt	.c cg	tcca	tgta	cct	gtto	cat	agca	ttgg	at t	ctcg	gagga	1515
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<211> 371

<212> PRT

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Gly Trp Met Ala Leu Gly Gln Gly Gly Ala Ala Glu Gly Val Gln Ile $20 \hspace{1cm} 25 \hspace{1cm} 30$

Gln Ile Ile Tyr Phe Asn Leu Glu Thr Val Gln Val Thr Trp Asn Ala 35 40 45

Ser Lys Tyr Ser Arg Thr Asn Leu Thr Phe His Tyr Arg Phe Asn Gly 50 55 60

Asp Glu Ala Tyr Asp Gln Cys Thr Asn Tyr Leu Leu Gln Glu Gly His 65 70 75 80

Thr Ser Gly Cys Leu Leu Asp Ala Glu Gln Arg Asp Asp Ile Leu Tyr 85 90 95

Phe Ser Ile Arg Asn Gly Thr His Pro Val Phe Thr Ala Ser Arg Trp
100 105 110

Met Val Tyr Tyr Leu Lys Pro Ser Ser Pro Lys His Val Arg Phe Ser 115 120 125

Trp His Gln Asp Ala Val Thr Val Thr Cys Ser Asp Leu Ser Tyr Gly 130 135 140

Asp Leu Leu Tyr Glu Val Gln Tyr Arg Ser Pro Phe Asp Thr Glu Trp 145 . 150 155 160

Gln Ser Lys Gln Glu Asn Thr Cys Asn Val Thr Ile Glu Gly Leu Asp 165 170 175

Ala Glu Lys Cys Tyr Ser Phe Trp Val Arg Val Lys Ala Met Glu Asp 180 185 190

Val Tyr Gly Pro Asp Thr Tyr Pro Ser Asp Trp Ser Glu Val Thr Cys 195 200 205

Trp Gln Arg Gly Glu Ile Arg Asp Ala Cys Ala Glu Thr Pro Thr Pro 210 215 220

Pro Lys Pro Lys Leu Ser Lys Phe Ile Leu Ile Ser Ser Leu Ala Ile 225 230 235 240

Leu Leu Met Val Ser Leu Leu Leu Ser Leu Trp Lys Leu Trp Arg 245 250 255

Val Lys Lys Phe Leu Ile Pro Ser Val Pro Asp Pro Lys Ser Ile Phe 260 265 270

•	
•	
•	
•	Pro Gly Leu Phe Glu Ile His Gln Gly Asn Phe Gln Glu Trp Ile Thr 275 280 285
	Asp Thr Gln Asn Val Ala His Leu His Lys Met Ala Gly Ala Glu Gln 290 295 300
	Glu Ser Gly Pro Glu Glu Pro Leu Val Val Gln Leu Ala Lys Thr Glu 305 310 315 320
	Ala Glu Ser Pro Arg Met Leu Asp Pro Gln Thr Glu Glu Lys Glu Ala 325 330 335
	Ser Gly Gly Ser Leu Gln Leu Pro His Gln Pro Leu Gln Gly Gly Asp 340 345 350
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	aac tgt gac ttt gag aag att aaa gca gcc tat ctc agt act att tct 144 Asn Cys Asp Phe Glu Lys Ile Lys Ala Ala Tyr Leu Ser Thr Ile Ser 35 40 45
	aaa gac ctg att aca tat atg agt ggg acc aaa agt acc gag ttc aac 192 Lys Asp Leu Ile Thr Tyr Met Ser Gly Thr Lys Ser Thr Glu Phe Asn 50 55 60
	aac acc gtc tct tgt agc aat cgg cca cat tgc ctt act gaa atc cag 240 Asn Thr Val Ser Cys Ser Asn Arg Pro His Cys Leu Thr Glu Ile Gln 65 70 75 80
	ago ota aco tto aat ooc aco goo ggo tgo gog tog oto goo aaa gaa 288

Ser Leu Thr	Phe Asn Pro 85	Thr. Ala	Gly Cys 90	Ala Ser	Leu Ala	Lys Glu 95	
	atg aaa act Met Lys Thr 100	Lys Ala					336
	act cag ata Thr Gln Ile						384
	gtc aca acc Val Thr Thr						432
	tgg cgt cgc Trp Arg Arg 150	Phe Asn					480
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Ile Phe Ile	Leu Gln Leu 20	_	Leu Val 25	Leu Thr	Tyr Asp 30	Phe Thr	
Asn Cys Asp 35	Phe Glu Lys	Ile Lys A	Ala Ala	Tyr Leu	Ser Thr 45	Ile Ser	
Lys Asp Leu 50	Ile Thr Tyr	Met Ser (Gly Thr	Lys Ser 60	Thr Glu	Phe Asn	
Asn Thr Val	Ser Cys Ser 70	Asn Arg l	Pro His	Cys Leu 75	Thr Glu	Ile Gln 80	
Ser Leu Thr	Phe Asn Pro 85	Thr Ala (Gly Cys 90	Ala Ser	Leu Ala	Lys Glu 95	
Met Phe Ala	Met Lys Thr	_	Ala Leu 105	Ala Ile	Trp Cys 110	Pro Gly	
Tyr Ser Glu 115	Thr Gln Ile	Asn Ala 7	Thr Gln	Ala Met	Lys Lys 125	Arg Arg	
Lys Arg Lys 130	Val Thr Thr	Asn Lys (Cys Leu	Glu Gln 140	Val Ser	Gln Leu	

Gln Gly Leu Trp Arg Arg Phe Asn Arg Pro Leu Leu Lys Gln Gln 145 150 155